



MAT-8084US

RECEIVED

PATENT

MAR 14 2003

TECHNOLOGY CENTER 2800  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Shigeru Yoshida et al. : Art Unit: 2834  
Serial No.: 09/770,697 : Examiner: P. Cuevas  
Filed: January 26, 2001 :  
FOR: SMALL AND FLAT VIBRATIONAL MOTOR :  
HAVING IMPACT-RESISTANT STRUCTURE :

**PRELIMINARY AMENDMENT**

Assistant Commissioner for Patents  
Washington, DC 20231

S I R :

Please amend the above-identified application as follows:

**IN THE CLAIMS:**

Please replace claims 1, 12-13 and 19 with the following amended claims:

1. (Amended) A motor comprising:
  - a rotor;
  - a stator assembly facing said rotor; and
  - a motor base including;
    - a base section;
    - a bearing supporter for supporting a bearing vertically with respect to said base section;
    - a stator supporter, substantially concentric with said bearing supporter, for being mounted with said stator assembly, and;
    - a metal terminal disposed radially, by insert molding, around said bearing supporter substantially parallel to a bottom face of said base section, said

metal terminal including a buried section, said buried section being buried within, and extending parallel to, said base section.

12. (Amended) A motor comprising:

a rotor;

a stator assembly facing said rotor;

a motor base for mounting said stator assembly; and

a mounting terminal disposed radially, by insert molding, on a bottom face of said motor base, said terminal including a buried section, said buried section being buried within, and extending parallel to said base section,

wherein a unit area mass, derived from dividing a self weight of said motor by a total area of said mounting terminals, is not more than  $0.1\text{g/mm}^2$ .

13. (Amended) An apparatus comprising:

a motor;

a board on which said motor is mounted; and

a driver for driving said motor,

said motor including:

a rotor;

a stator assembly facing said rotor; and

a motor base including;

a base section;

a bearing supporter for supporting a bearing vertically with respect to said base section;

a stator supporter, substantially concentric with said bearing supporter, for being mounted with said stator assembly, and

a metal terminal disposed radially, by insert molding, around said bearing supporter substantially parallel to a bottom face of said base section,

said metal terminal including a buried section, said buried section being buried within, and extending parallel to said base section.

19. (Amended) An apparatus comprising:

a motor;

a board on which said motor is mounted; and

a driver for driving said motor,

said motor including:

a rotor;

a stator assembly facing said rotor;

a motor base for mounting said stator assembly; and

a mounting terminal disposed radially, by insert molding, on a bottom face of said motor base, said metal terminal including a buried section, said buried section being buried within, and extending parallel to said base section

wherein a unit area mass, derived from dividing a self weight of said motor by a total area of said mounting terminals, is not more than  $0.1\text{g/mm}^2$ .